

IN THE CLAIMS:

Please amend Claims 69, 79, and 89, and add Claims 92-94, as indicated below.

The following is a complete listing of claims and replaces all prior versions and listings of claims in the present application:

1. - 68. (canceled)

69. (currently amended) An information processing apparatus for controlling via a communication medium a peripheral that processes a job, which executes a predetermined service, the apparatus comprising:

an obtaining unit adapted to obtain, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

an issuance unit adapted to issue a job provided with plural setting values including a value of a first attribute and a value of a second attribute different from the first attribute ~~in response to a user instruction~~; and

an inhibition unit adapted to, if at least one of the plural setting values of the job ~~related to the user instruction~~ does not satisfy a predetermined condition related to the plural setting values indicated by the function information obtained by the obtaining unit, inhibit issuance of the job by the issuance unit,

wherein the inhibition unit allows issuance of the job by the issuance unit, if at least one of the plural setting values of the job ~~satisfy~~ satisfies the predetermined condition,

based on a first determination of whether both of the values of the first and second attributes satisfy the predetermined condition or a second determination of whether either of the values of the first and second attributes satisfies the predetermined condition.

70. (previously presented) An information processing apparatus according to Claim 69, wherein the function information obtained by the obtaining unit includes information indicating a job attribute range executable by the peripheral, and further comprising a display unit adapted to distinguishably display the job attribute range on a user interface provided in a control program for controlling the peripheral based on the obtained function information.

71. (previously presented) An information processing apparatus according to Claim 69, wherein the obtaining unit obtains information indicating a function setting range executable by the peripheral.

72. (previously presented) An information processing apparatus according to Claim 71, further comprising:

a determination unit adapted to determine whether an inhibition attribute is set for the job; and

a discrimination unit adapted to discriminate whether a combination of attributes set for the job is inhibited, if the determination unit determines that an inhibition attribute is set for the job,

wherein the inhibition unit inhibits issuance of the job by the issuance unit, if the discrimination unit discriminates that a combination of attributes set for the job is inhibited.

73. (previously presented) An information processing apparatus according to Claim 69, wherein the obtaining unit obtains information indicating a function selectable in the peripheral.

74. (previously presented) An information processing apparatus according to Claim 69, wherein the obtaining unit obtains from the peripheral an attribute list indicating functions of the peripheral, and obtains a value of an attribute by designating an ID of the attribute in the attribute list.

75. (previously presented) An information processing apparatus according to Claim 69, wherein the obtaining unit obtains from the peripheral an attribute list indicating functions corresponding to one of a physical device control program, a logical device control program, a resource control program of the peripheral, and a coordinate control program for coordination thereof.

76. (previously presented) An information processing apparatus according to Claim 75, wherein the physical device control program includes at least one of a scanner control program that controls a scanner engine of the peripheral, a laser beam printer control program

that controls a laser beam printer engine of the peripheral, and an ink jet printer control program that controls an ink jet printer engine of the peripheral.

77. (previously presented) An information processing apparatus according to Claim 75, wherein the logical device control program includes at least one of a print job control program that controls a laser beam printer control program, a print job control program that controls an ink jet printer control program, a print job control program that controls the laser beam printer control program and the ink jet printer control program, a scan job control program that controls a scanner control program, a copy job control program that controls the scanner control program and the laser beam printer control program, and a copy job control program that controls the scanner control program and the ink jet printer control program.

78. (previously presented) An information processing apparatus according to Claim 69, wherein the obtaining unit obtains the function information from the peripheral.

79. (currently amended) An information processing method for controlling via a communication medium a peripheral that processes a job which executes a predetermined service, the method comprising:

an obtaining step of obtaining, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

an issuance step of issuing a job provided with plural setting values including a value of a first attribute and a value of a second attribute different from the first attribute in response to a user instruction; and

an inhibition step of, if at least one of the plural setting values of the job ~~related to the user instruction~~ does not satisfy a predetermined condition related to the plural setting values indicated by the function information obtained in the obtaining step, inhibiting issuance of the job in the issuance step,

wherein the inhibiting step includes allowing issuance of the job in the issuance step, if at least one of the plural setting values of the job satisfy satisfies the predetermined condition, based on a first determination of whether both of the values of the first and second attributes satisfy the predetermined condition or a second determination of whether either of the values of the first and second attributes satisfies the predetermined condition, and

wherein at least one of the above steps is performed by a computer processor.

80. (previously presented) An information processing method according to Claim 79, wherein the function information obtained in the obtaining step includes information indicating a job attribute range executable by the peripheral, and wherein the method further comprises a step of distinguishably displaying on a display unit the job attribute range on a user interface provided in a control program for controlling the peripheral based on the obtained function information.

81. (previously presented) An information processing method according to Claim 79, wherein the obtaining step includes obtaining information indicating a function setting range executable by the peripheral.

82. (previously presented) An information processing method according to Claim 81, further comprising:

a determination step of determining whether an inhibition attribute is set for the job; and

a discrimination step of discriminating whether a combination of attributes set for the job is inhibited, if the determination step determines that an inhibition attribute is set for the job,

wherein the inhibition step inhibits issuance of the job by the issuance unit, if the discrimination step discriminates that a combination of attributes set for the job is inhibited.

83. (previously presented) An information processing method according to Claim 79, wherein the obtaining step includes obtaining information indicating a function selectable in the peripheral.

84. (previously presented) An information processing method according to Claim 79, wherein the obtaining step includes obtaining from the peripheral an attribute list indicating functions of the peripheral, and obtaining a value of an attribute by designating an ID of the attribute in the attribute list.

85. (previously presented) An information processing method according to Claim 79, wherein the obtaining step includes obtaining from the peripheral an attribute list indicating functions corresponding to one of a physical device control program, a logical device control program, a resource control program of the peripheral, and a coordinate control program for coordination thereof.

86. (previously presented) An information processing method according to Claim 85, wherein the physical device control program includes at least one of a scanner control program that controls a scanner engine of the peripheral, a laser beam printer control program that controls a laser beam printer engine of the peripheral, and an ink jet printer control program that controls an ink jet printer engine of the peripheral.

87. (previously presented) An information processing method according to Claim 85, wherein the logical device control program includes at least one of a print job control program that controls a laser beam printer control program, a print job control program that controls an ink jet printer control program, a print job control program that controls the laser beam printer control program and the ink jet printer control program, a scan job control program that controls a scanner control program, a copy job control program that controls the scanner control program and the laser beam printer control program, and a copy job control program that controls the scanner control program and the ink jet printer control program.

88. (previously presented) An information processing method according to Claim 79, wherein the obtaining step includes obtaining the function information from the peripheral.

89. (currently amended) A computer-readable storage medium, storing, in executable form, a program for causing an information processing apparatus to control via a communication medium a peripheral that processes a job, which executes a predetermined service, the program comprising:

obtaining code for obtaining, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

issuance code for issuing a job provided with plural setting values including a first value of a first attribute and a second value of a second attribute different from the first attribute in response to a user instruction; and

inhibiting code for, if at least one of the plural setting values of the job ~~related to the user instruction~~ does not satisfy a predetermined condition related to the plural setting values indicated by the function information obtained in accordance with the obtaining code, inhibiting issuance of the job by the issuance code,

wherein the inhibiting code allows issuance of the job by the issuance code, if at least one of the plural setting values of the job satisfy satisfies the predetermined condition, based on a first determination of whether both of the values of the first and second attributes



satisfy the predetermined condition or a second determination of whether either of the values of the first and second attributes satisfies the predetermined condition.

90. (previously presented) An information processing apparatus according to claim 69, wherein the setting values of a job include a setting value as to a number of print sheets and a setting value as to a finisher device of the peripheral, and wherein the inhibition unit inhibits issuance of the job if the setting value as to the number of print sheets exceeds a predetermined value.

91. (previously presented) An information processing method according to claim 79, wherein the setting values of a job include a setting value as to a number of print sheets and a setting value as to a finisher device of the peripheral, and wherein the inhibiting step inhibits issuance of the job if the setting value as to the number of print sheets exceeds a predetermined value.

92. (new) An information processing apparatus for controlling via a communication medium a peripheral that processes a job, which executes a predetermined service, the apparatus comprising:

a central processing unit;

a memory unit coupled to the central processing unit,

wherein the central processing unit is configured to obtain, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

wherein the central processing unit is configured to issue a job in response to a user instruction that includes plural setting values of the job;

wherein the central processing unit is configured to, if at least one of the plural setting values of the job included in the user instruction does not satisfy a predetermined condition related to the plural setting values executable by the peripheral included in the function information, inhibit issuance of the job,

wherein the central processing unit allows issuance of the job, if the plural setting values of the job included in the user instruction satisfy the predetermined condition related to the plural setting values executable by the peripheral included in the function information,

wherein the central processing unit is configured to determine whether an inhibition attribute is set in the plural setting values executable by the peripheral included in function information, and

wherein the central processing unit is configured to determine whether a combination of attributes set in the plural setting values of the job are inhibited by the peripheral, if the inhibition attribute is set in the plural setting values executable by the peripheral included in function information.

93. (new) An information processing method performed by an information processing apparatus for controlling via a communication medium a peripheral that processes a job, which executes a predetermined service, the method comprising:

an obtaining step performed by the information processing apparatus of obtaining, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

an issuance step performed by the information processing apparatus of issuing a job in response to a user instruction that includes plural setting values of the job;

an inhibition step performed by the information processing apparatus of, if at least one of the plural setting values of the job included in the user instruction does not satisfy a predetermined condition related to the plural setting values executable by the peripheral included in the function information obtained in the obtaining step, inhibiting issuance of the job in the issuance step,

wherein issuance of the job is not inhibited in the inhibition step, if the plural setting values of the job satisfy the predetermined condition related to the plural setting values executable by the peripheral included in the function information;

a determination step performed by the information processing apparatus of determining whether an inhibition attribute is set in the plural setting values executable by the peripheral included in function information; and

a discrimination step performed by the information processing apparatus of discriminating whether a combination of attributes set in the plural setting values of the job are

inhibited by the peripheral, if the inhibition attribute determined to be set in the determination step,

wherein at least one of the above steps is performed by a computer processor.

94. (new) A computer-readable storage medium, storing, in executable form, a program that causes an information processing apparatus to perform a method of controlling via a communication medium a peripheral that processes a job, which executes a predetermined service, the method comprising:

an obtaining step performed by the information processing apparatus of obtaining, via the communication medium, function information that includes information indicating plural setting values executable by the peripheral;

an issuance step performed by the information processing apparatus of issuing a job in response to a user instruction that includes plural setting values of the job;

an inhibition step performed by the information processing apparatus of, if at least one of the plural setting values of the job included in the user instruction does not satisfy a predetermined condition related to the plural setting values executable by the peripheral included in the function information obtained in the obtaining step, inhibiting issuance of the job in the issuance step,

wherein issuance of the job is not inhibited in the inhibition step, if the plural setting values of the job satisfy the predetermined condition related to the plural setting values executable by the peripheral included in the function information;

a determination step performed by the information processing apparatus of determining whether an inhibition attribute is set in the plural setting values executable by the peripheral included in function information; and

a discrimination step performed by the information processing apparatus of discriminating whether a combination of attributes set in the plural setting values of the job are inhibited by the peripheral, if the inhibition attribute determined to be set in the determination step.